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FIG. 1

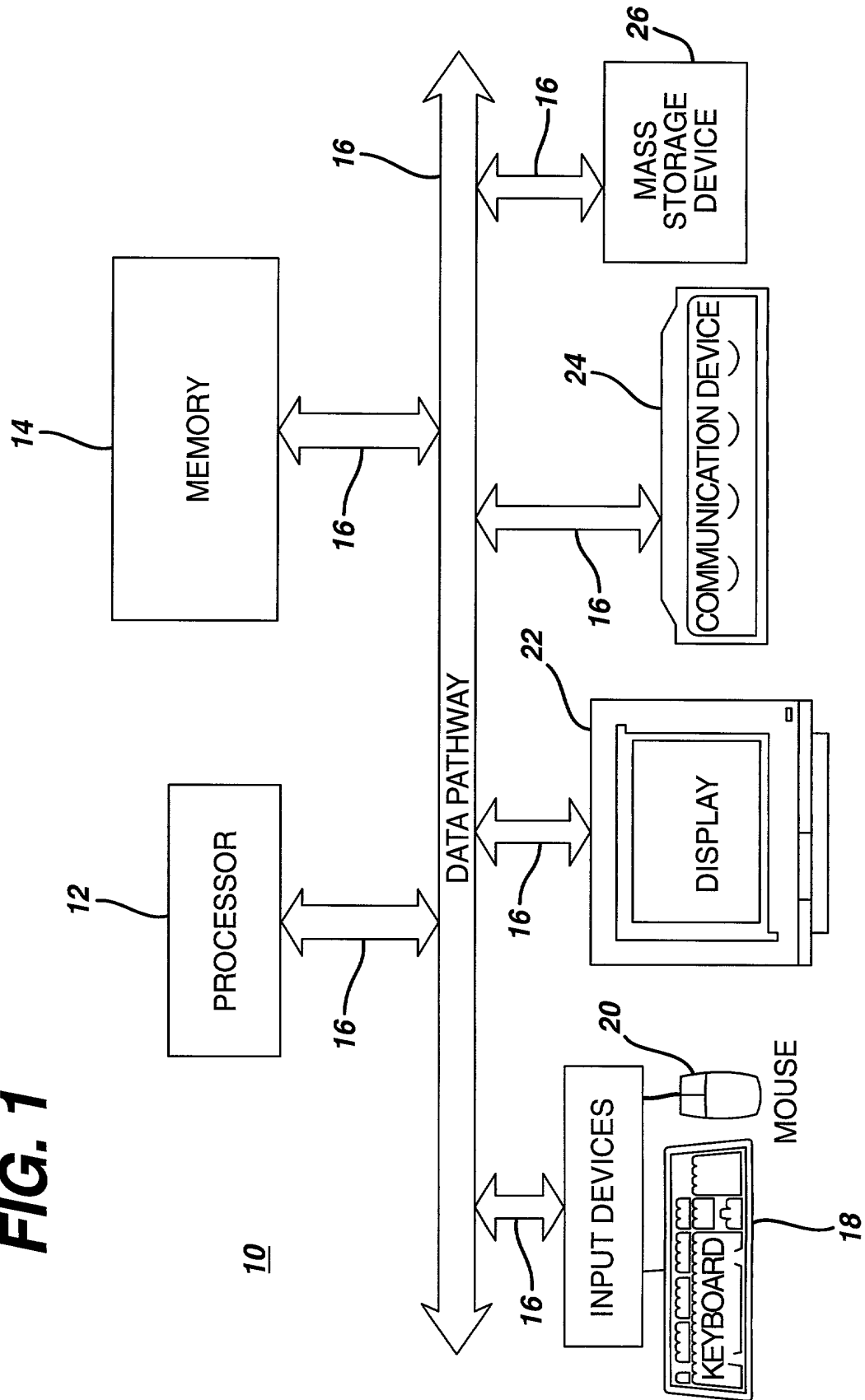
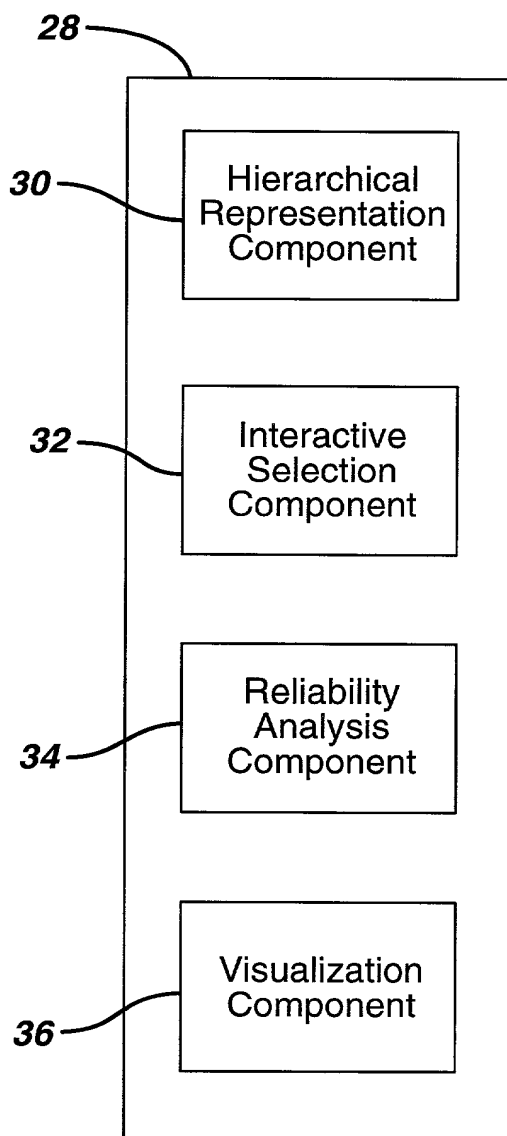


FIG. 2



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FIG. 3

Data Element 1
Level = 1
Value = A
pointer up = NULL
pointer down = 3
pointer left = NULL
pointer right = 2

Data Element 2
Level = 1
Value = B
pointer up = NULL
pointer down = 5
pointer left = 1
pointer right = NULL

Data Element 3
Level = 2
Value = a
pointer up = 1
pointer down = 7
pointer left = NULL
pointer right = 4

Data Element 4
Level = 2
Value = b
pointer up = 1
pointer down = 9
pointer left = 3
pointer right = NULL

Data Element 5
Level = 2
Value = c
pointer up = 2
pointer down = 10
pointer left = NULL
pointer right = 6

Data Element 6
Level = 2
Value = d
pointer up = 2
pointer down = 11
pointer left = 5
pointer right = NULL

Data Element 7
Level = 3
Value = U
pointer up = 3
pointer down = NULL
pointer left = NULL
pointer right = 8

Data Element 8
Level = 3
Value = V
pointer up = 3
pointer down = NULL
pointer left = 7
pointer right = NULL

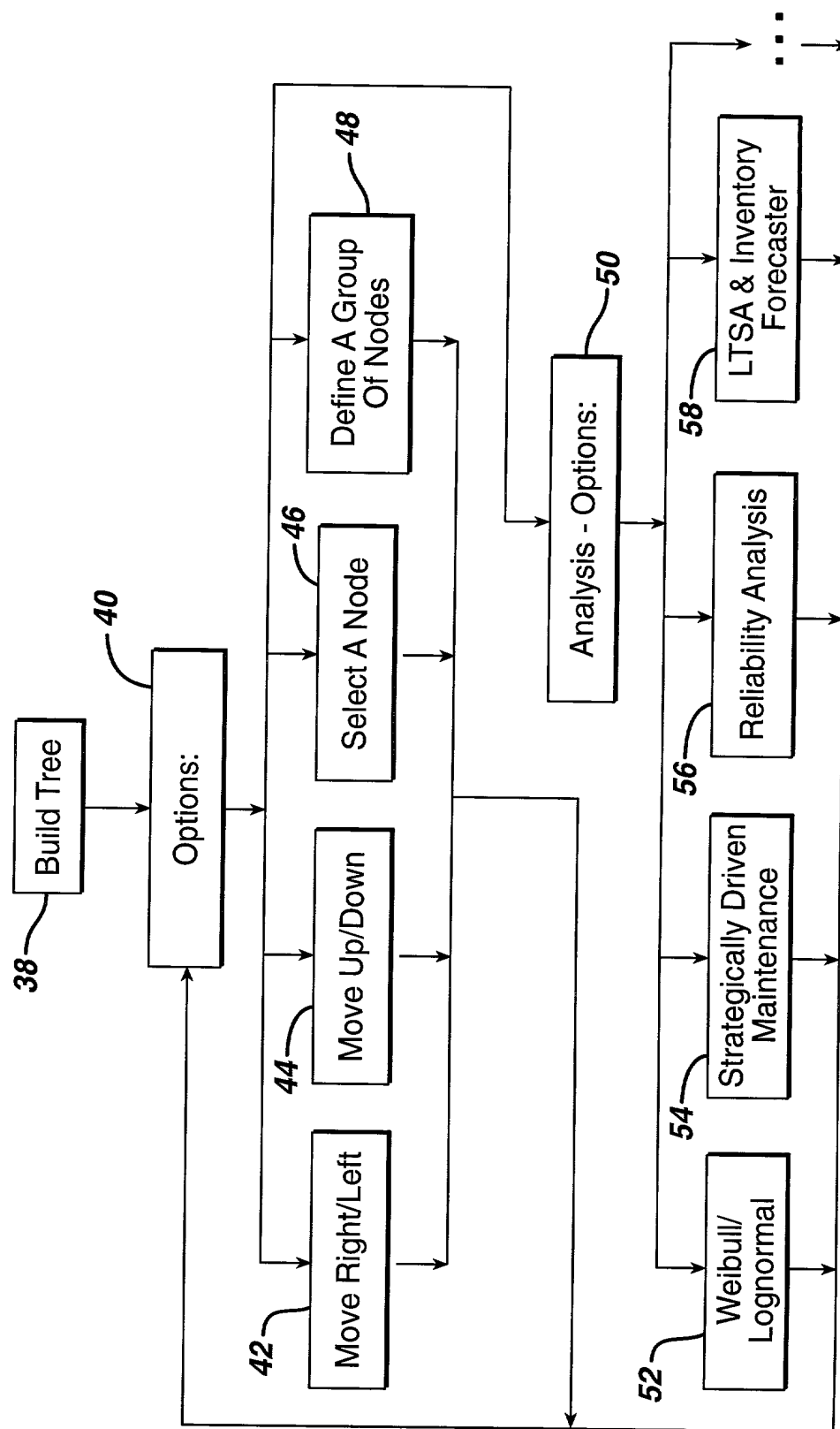
Data Element 9
Level = 3
Value = W
pointer up = 4
pointer down = NULL
pointer left = NULL
pointer right = NULL

Data Element 10
Level = 3
Value = X
pointer up = 5
pointer down = NULL
pointer left = NULL
pointer right = NULL

Data Element 11
Level = 3
Value = Y
pointer up = 6
pointer down = NULL
pointer left = NULL
pointer right = 12

Data Element 12
Level = 3
Value = Z
pointer up = 6
pointer down
pointer left = 11
pointer right = NULL

FIG. 4



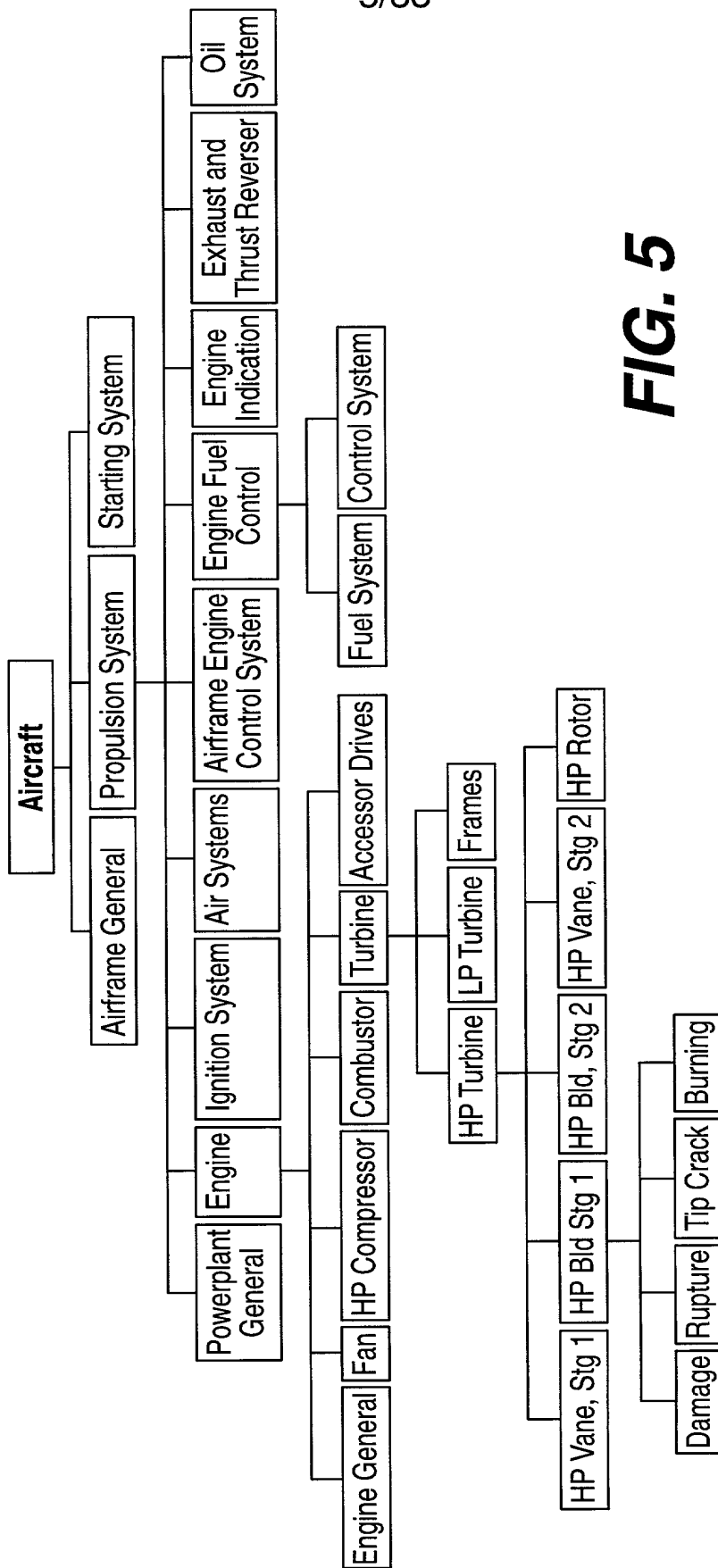


FIG. 5

FIG. 6a

Moving Right/Left

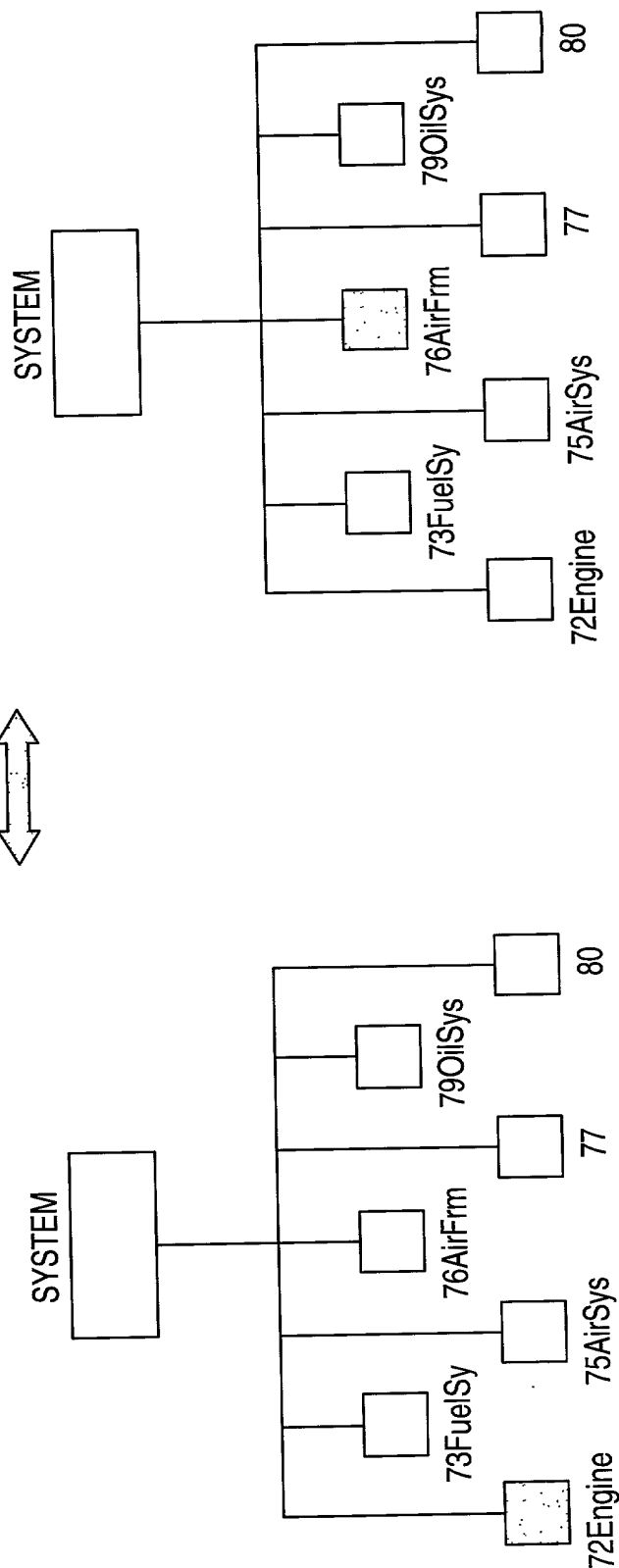
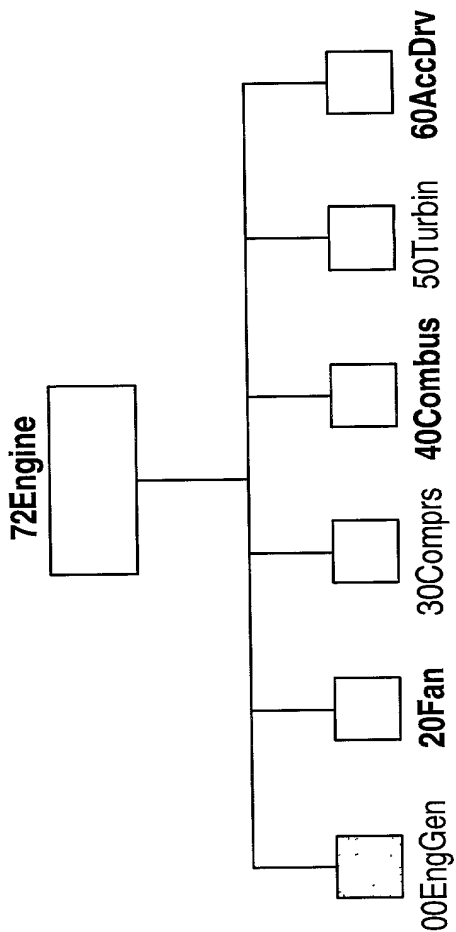


FIG. 6b

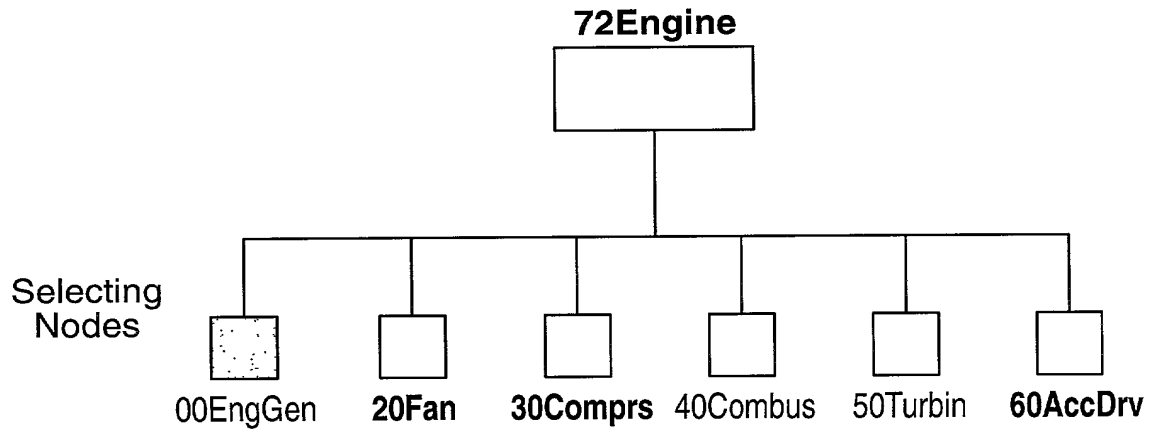


Moving Up/Down

FOOT " 95526860

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FIG. 6c



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FIG. 6d

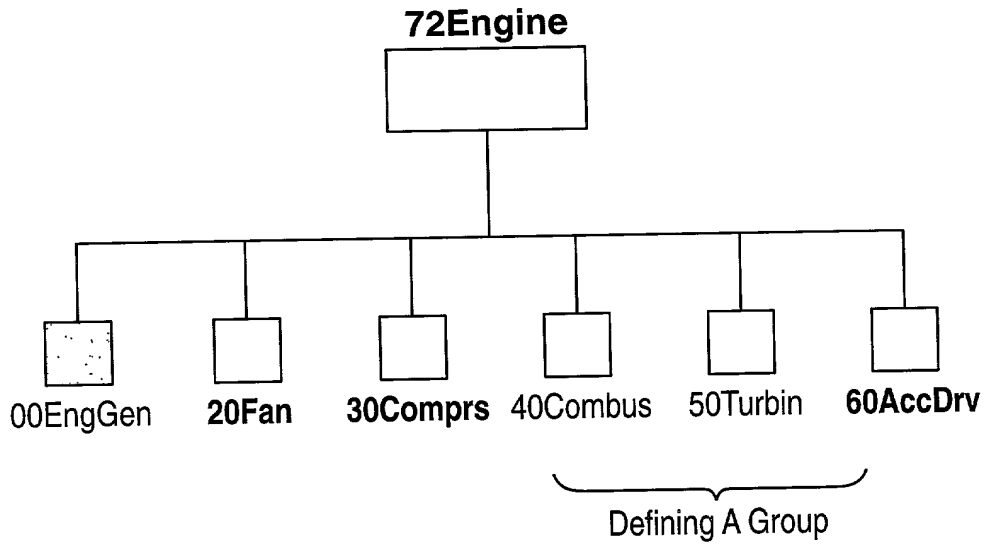
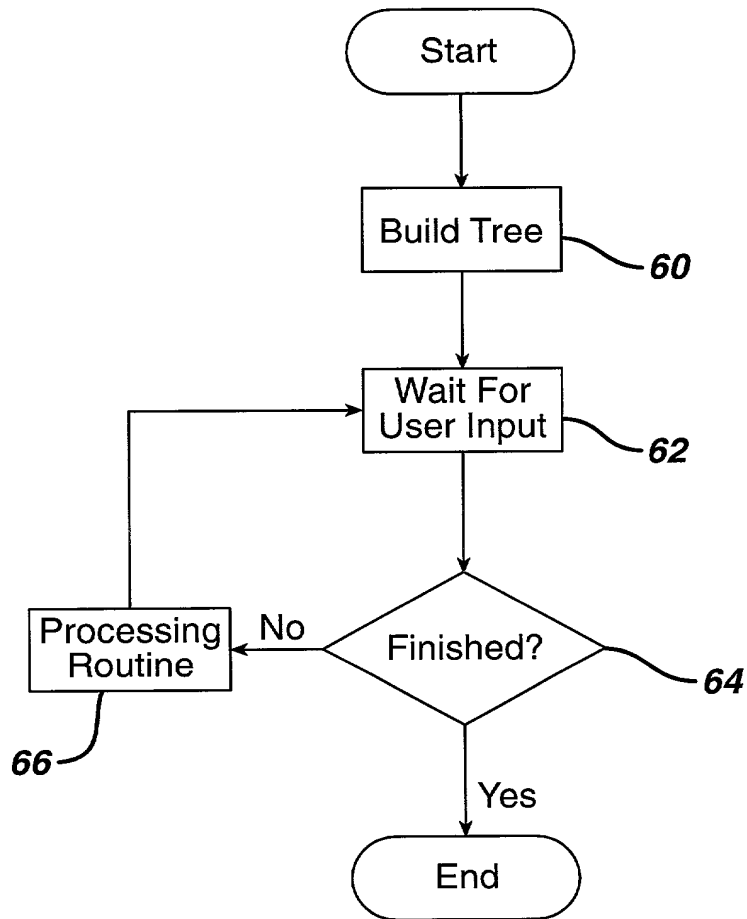


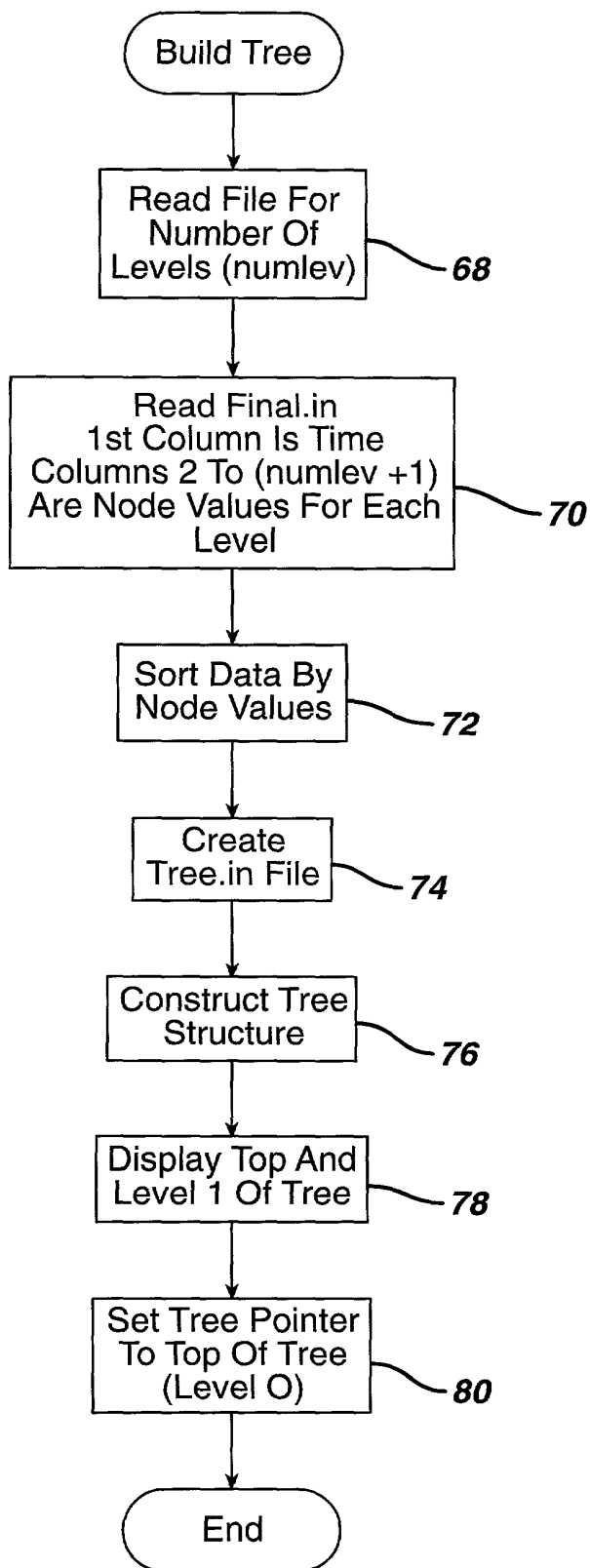
FIG. 7



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FIG. 7

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FIG. 8



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Figure 1 consists of 12 scatter plots, labeled (a) through (l), arranged in a 6x2 grid. Each plot shows the relationship between a specific morphological or physiological trait (y-axis) and the logarithm of body weight, $\log_{10} W$ (x-axis). The traits are: (a) snout length, (b) head length, (c) eye diameter, (d) mouth length, (e) mouth width, (f) mouth height, (g) mouth area, (h) mouth volume, (i) mouth surface area, (j) mouth perimeter, (k) mouth depth, and (l) mouth width. Each plot contains data points for 12 different fish species, represented by various symbols (circles, squares, triangles, etc.), and a solid regression line indicating a positive linear relationship. The y-axis scales vary between plots, reflecting the different units and ranges of the traits.

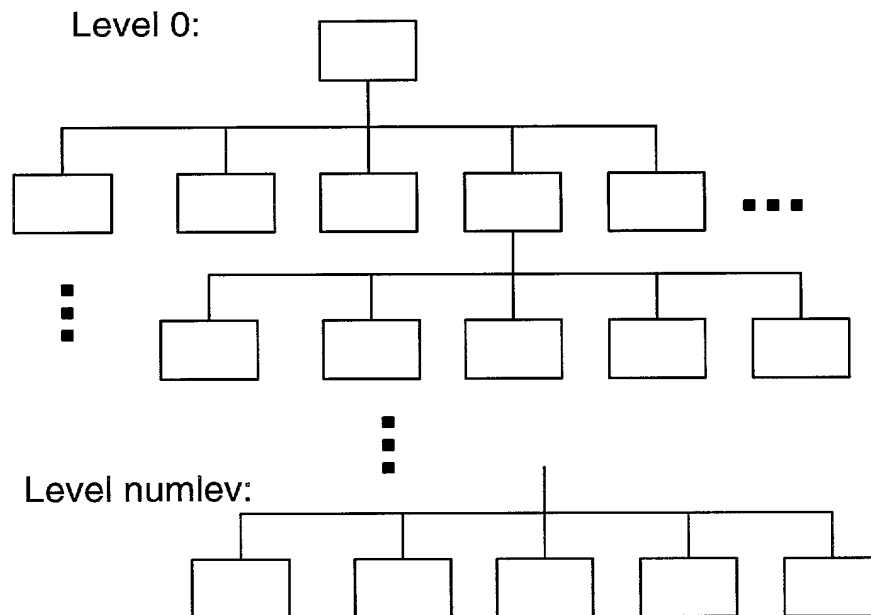


FIG. 10a

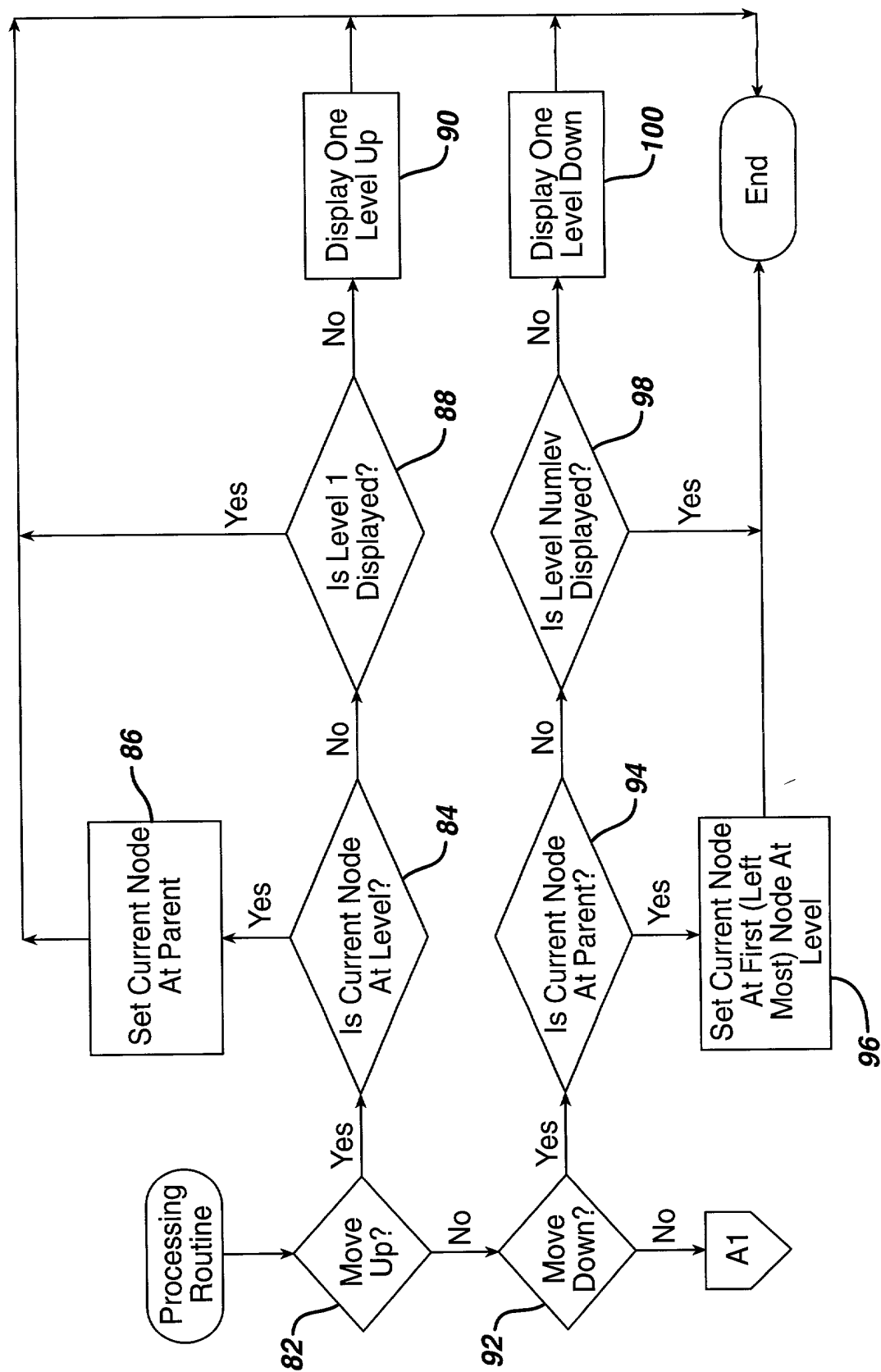


FIG. 10b

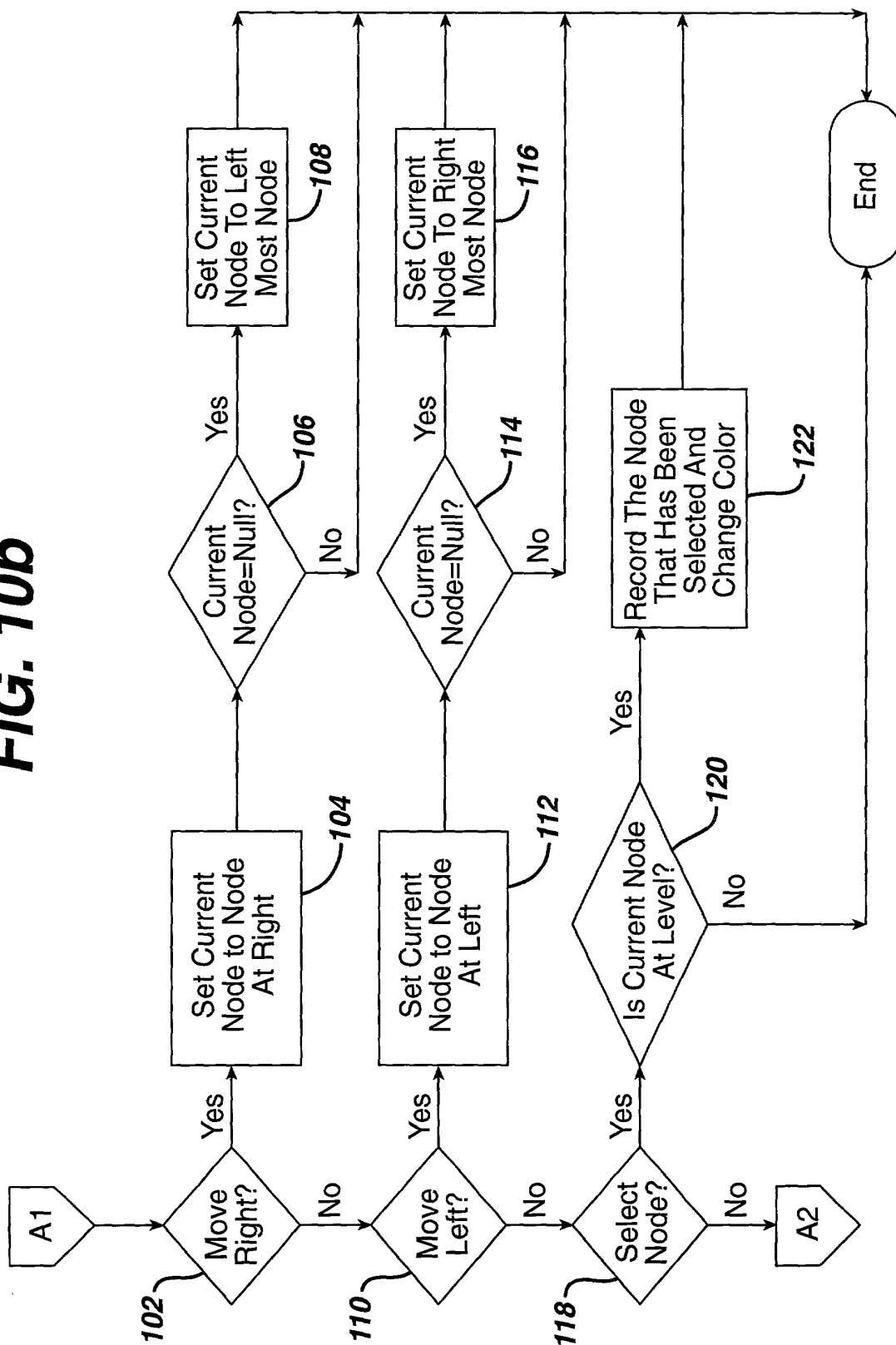


FIG. 10C

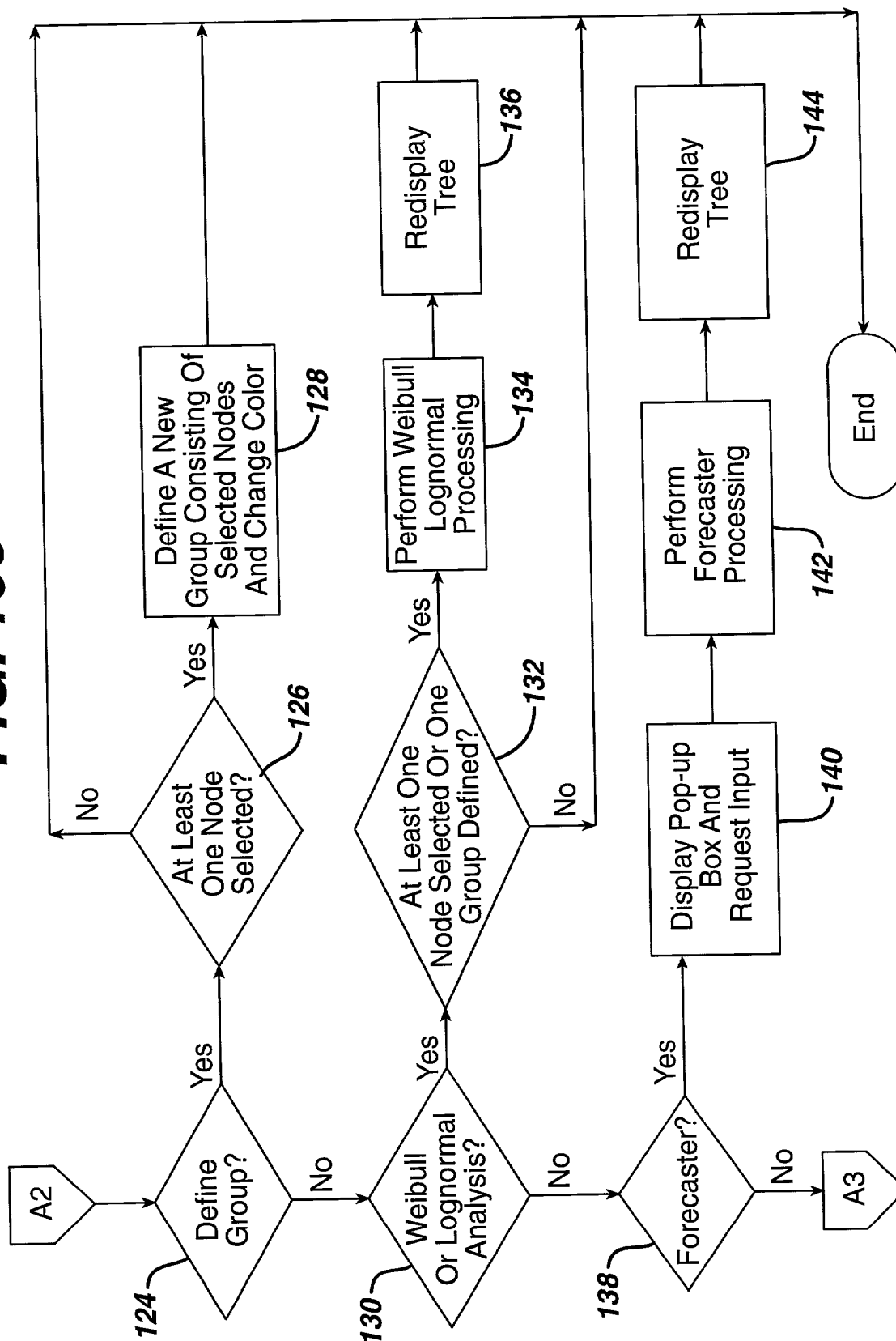


FIG. 10d

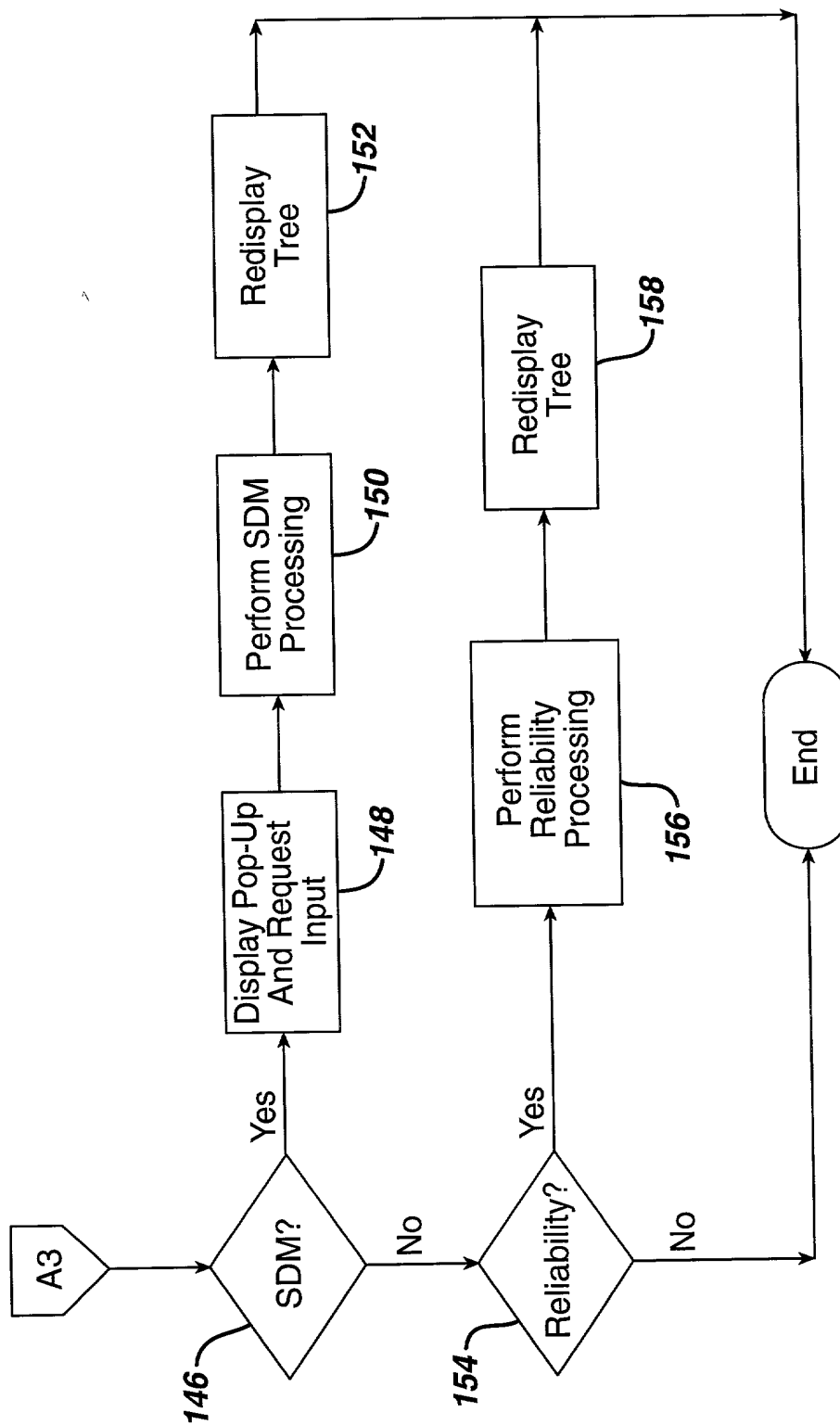
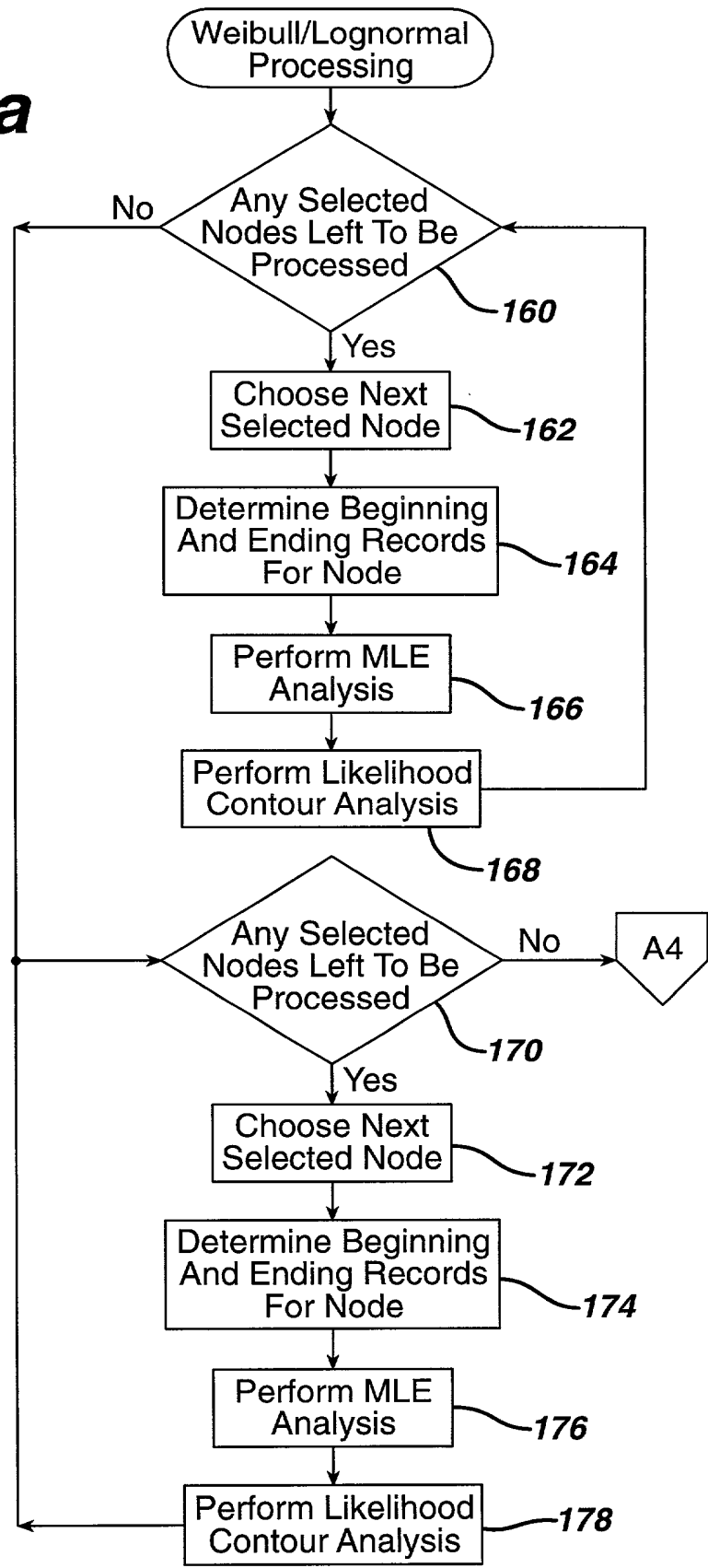


FIG. 11a



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FIG. 11b

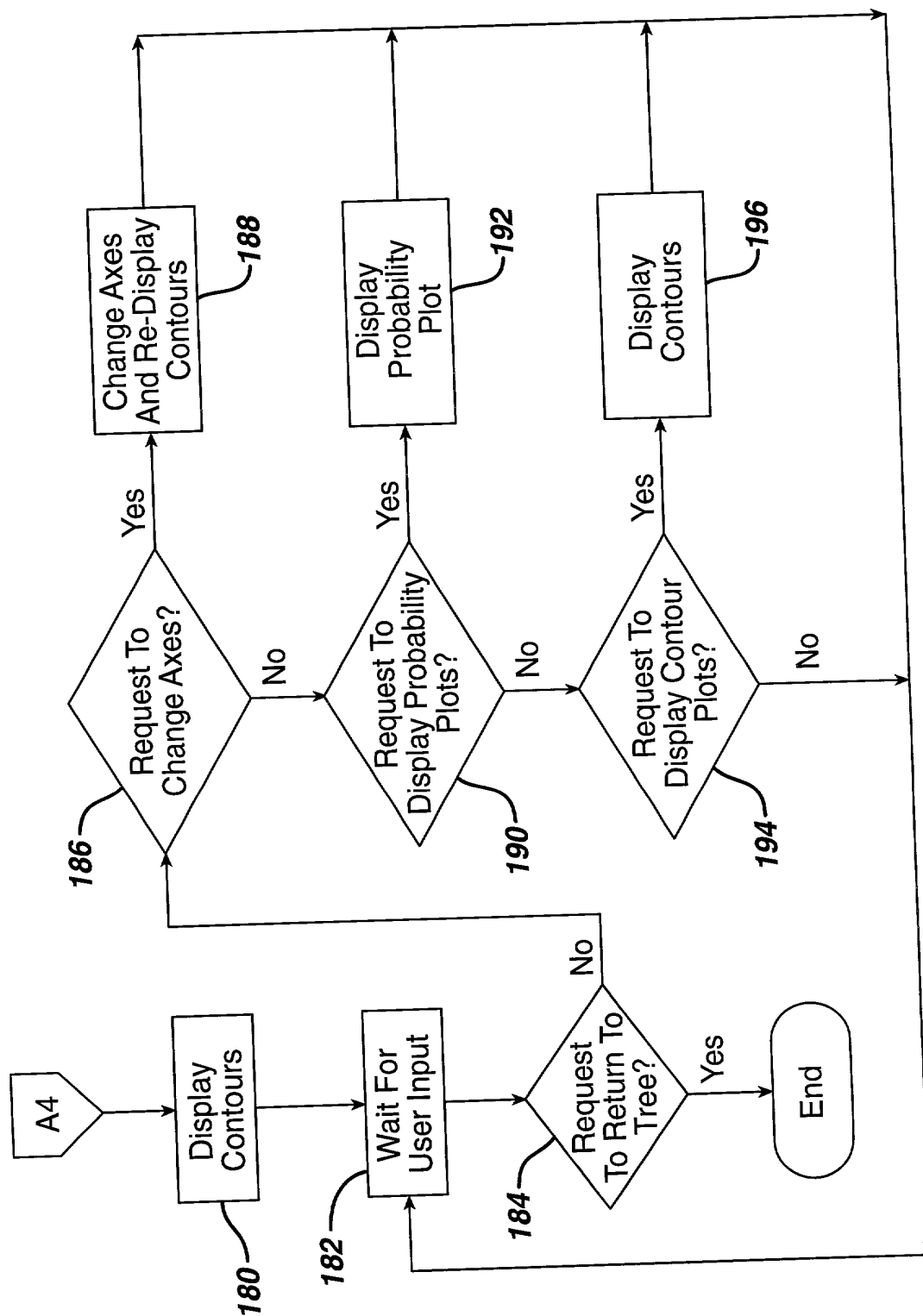


FIG. 12

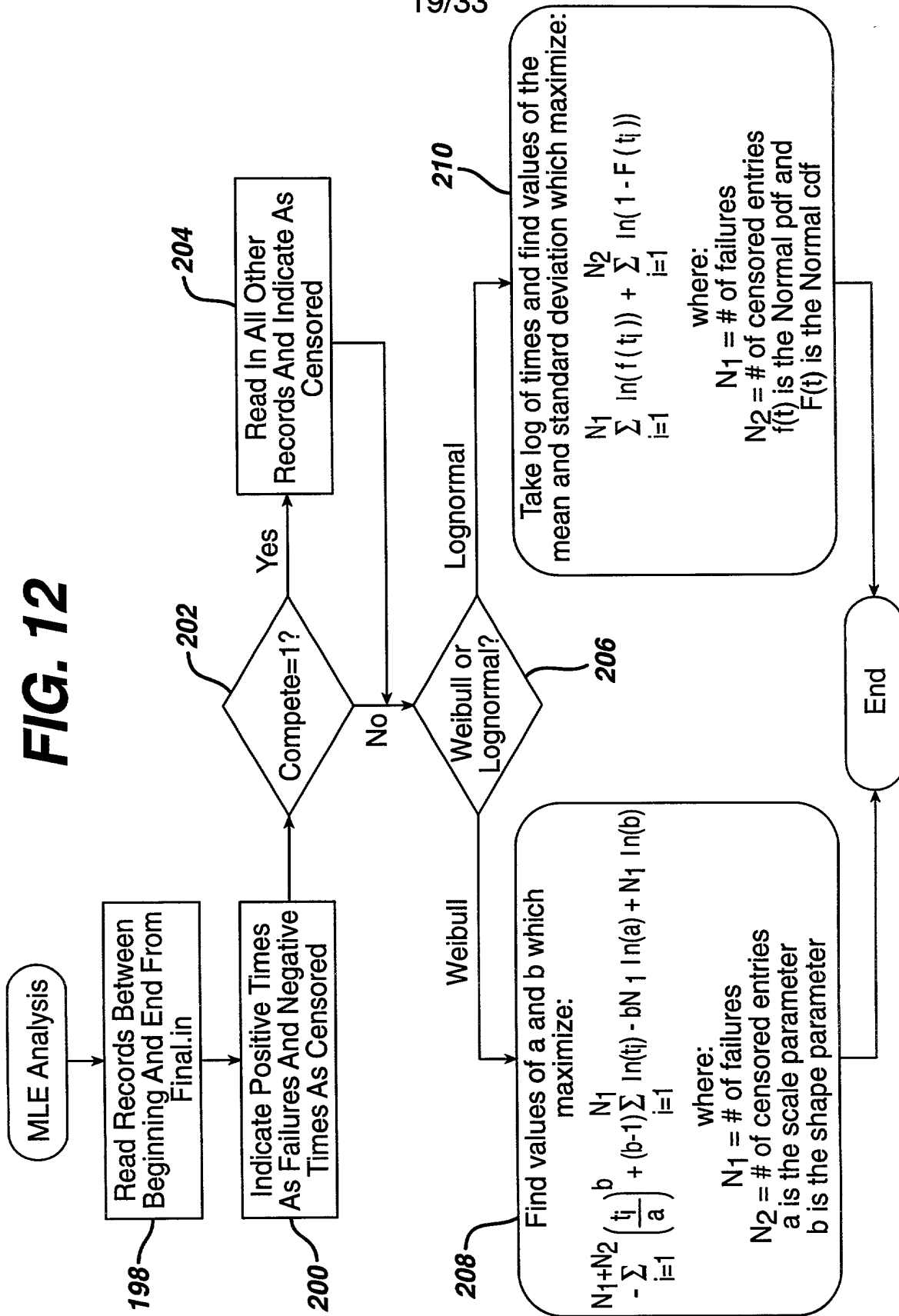
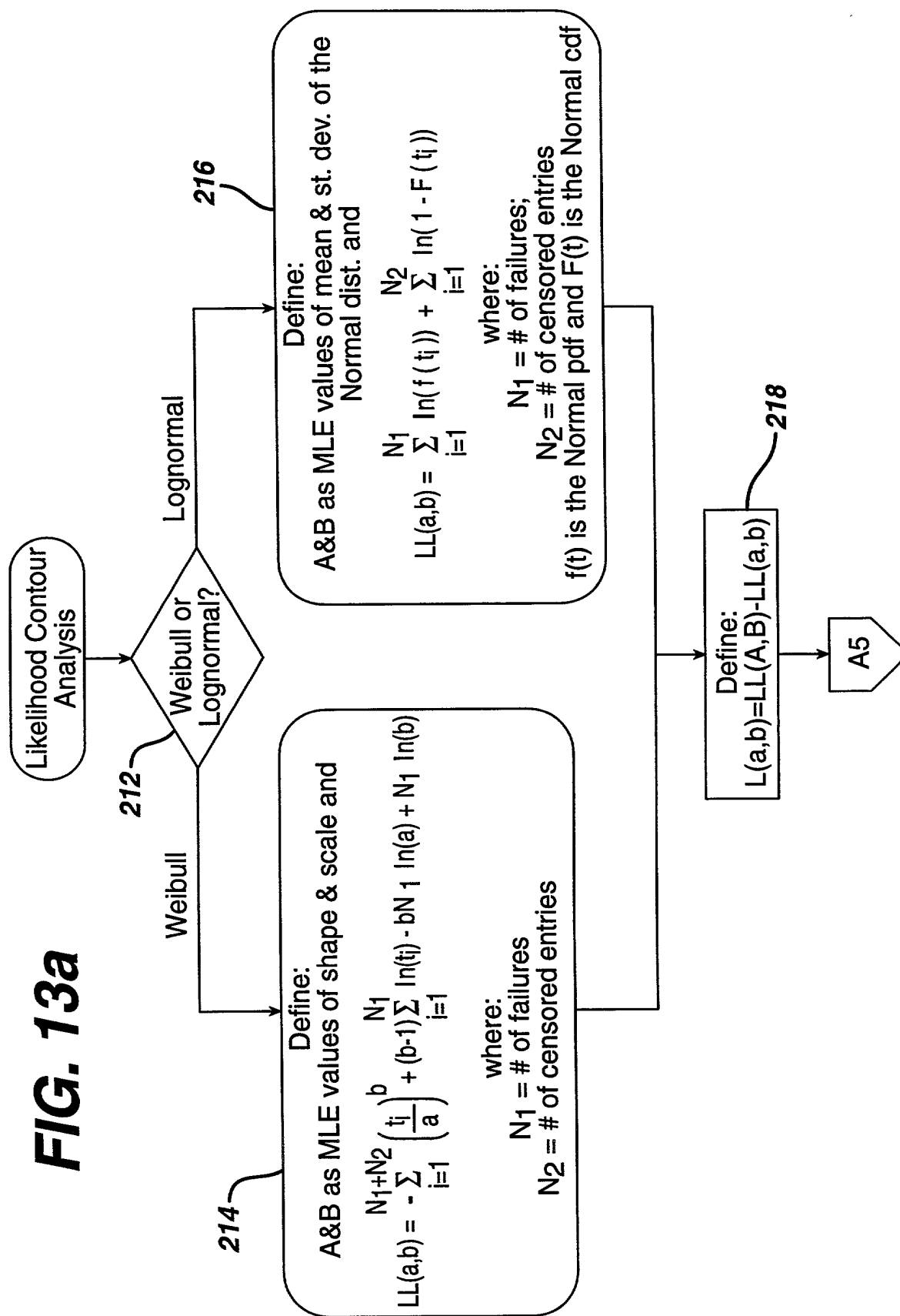


FIG. 13a



TOP SECRET 95526860

FIG. 13b

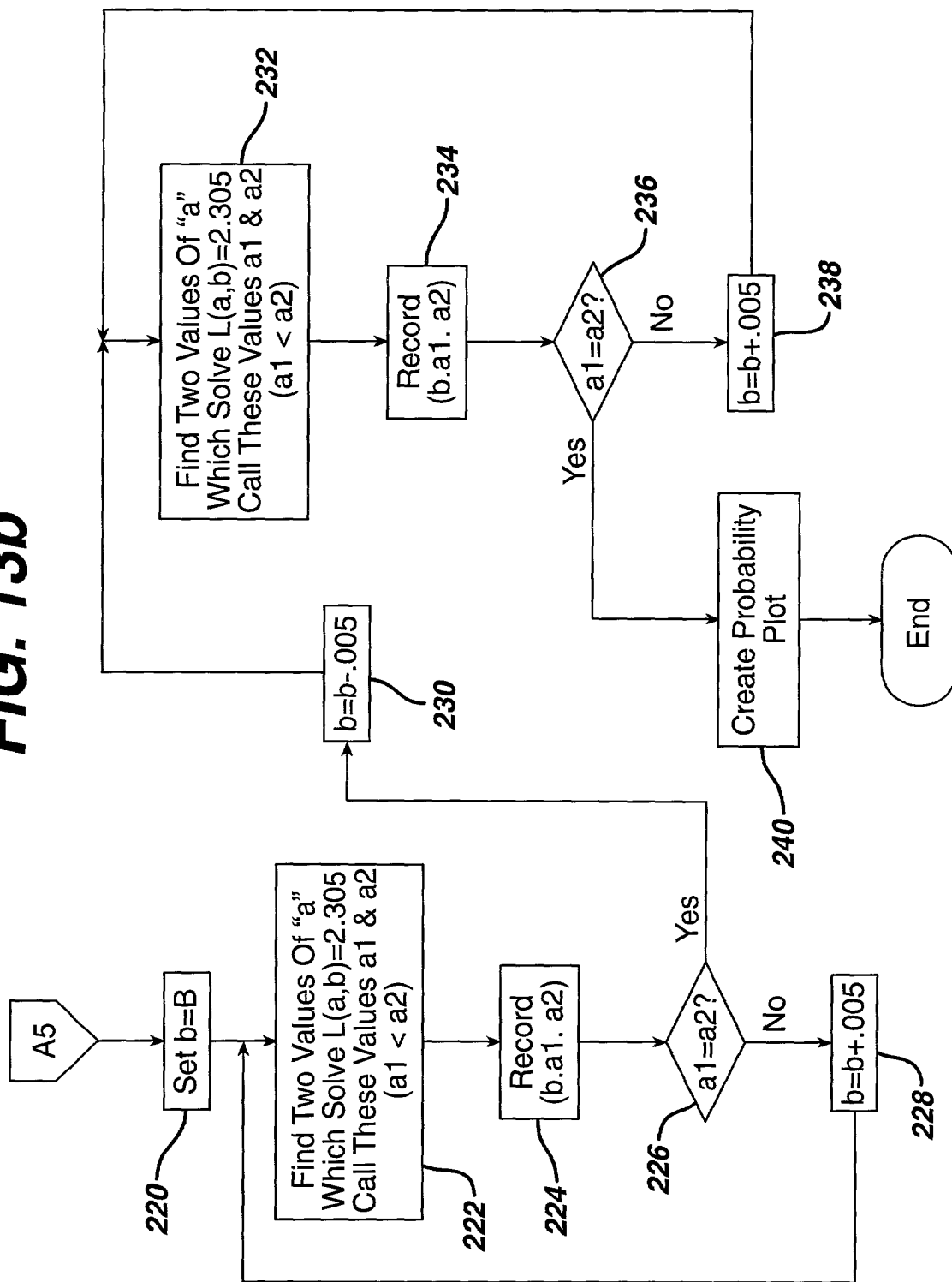


FIG. 14

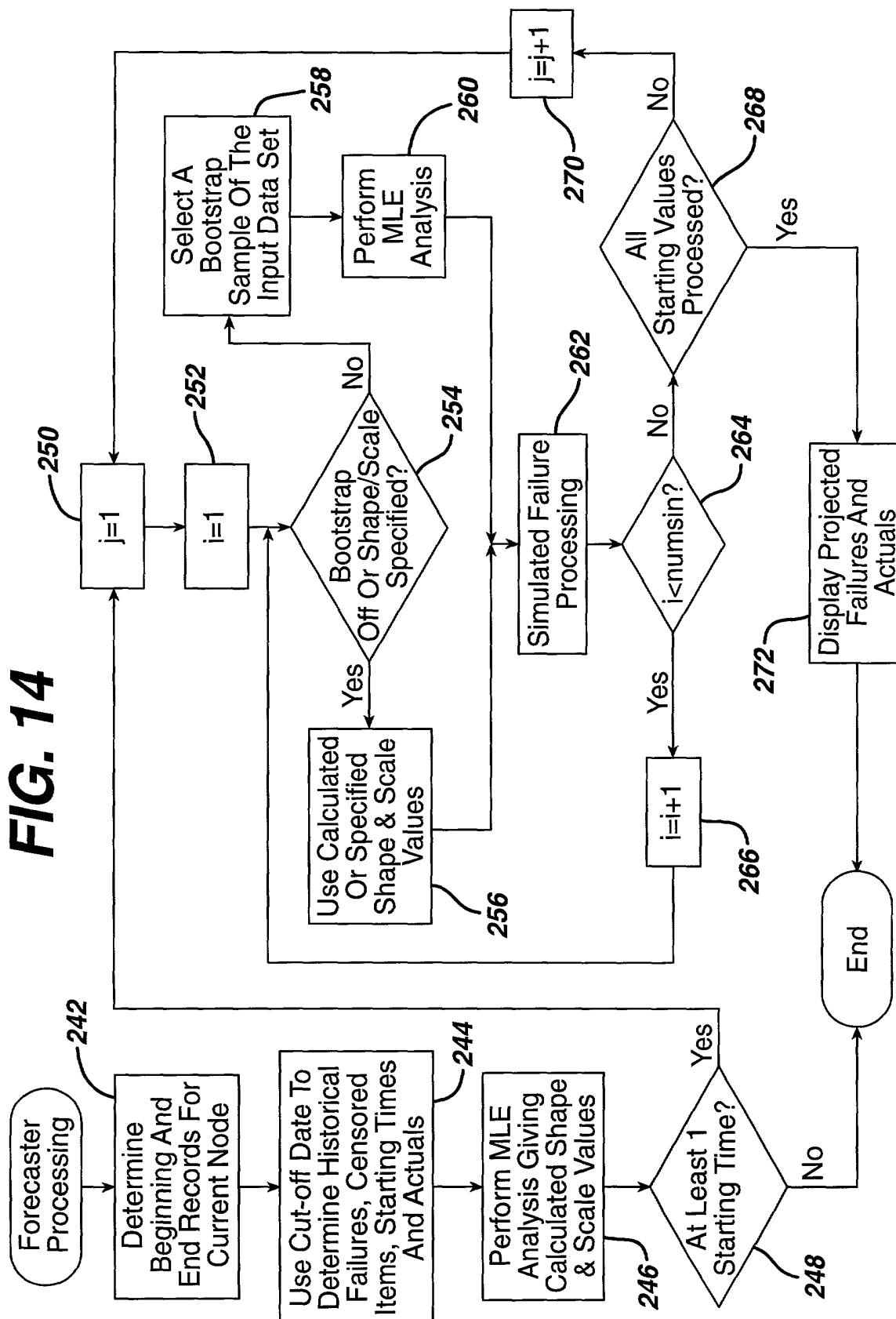


FIG. 15

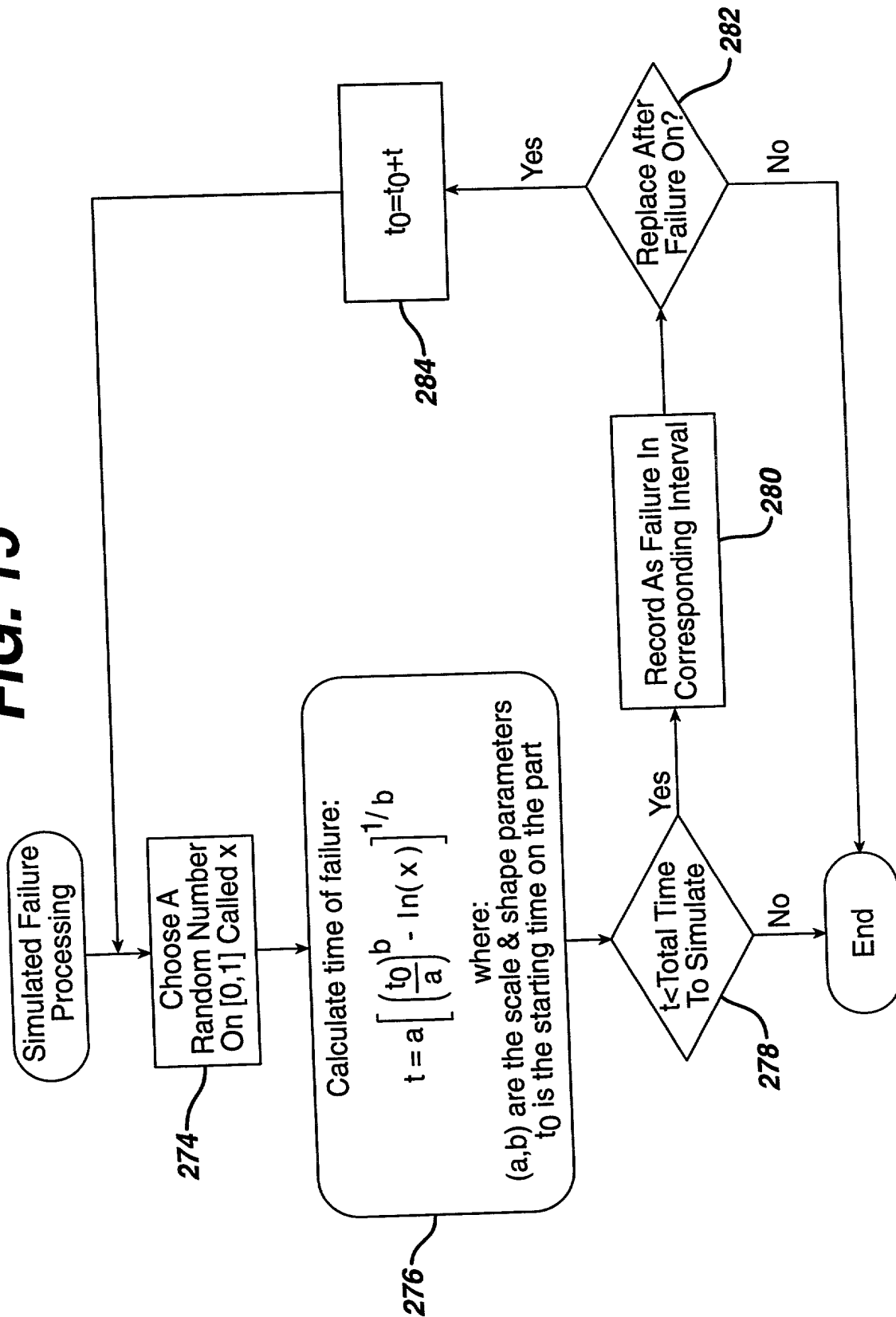


FIG. 16

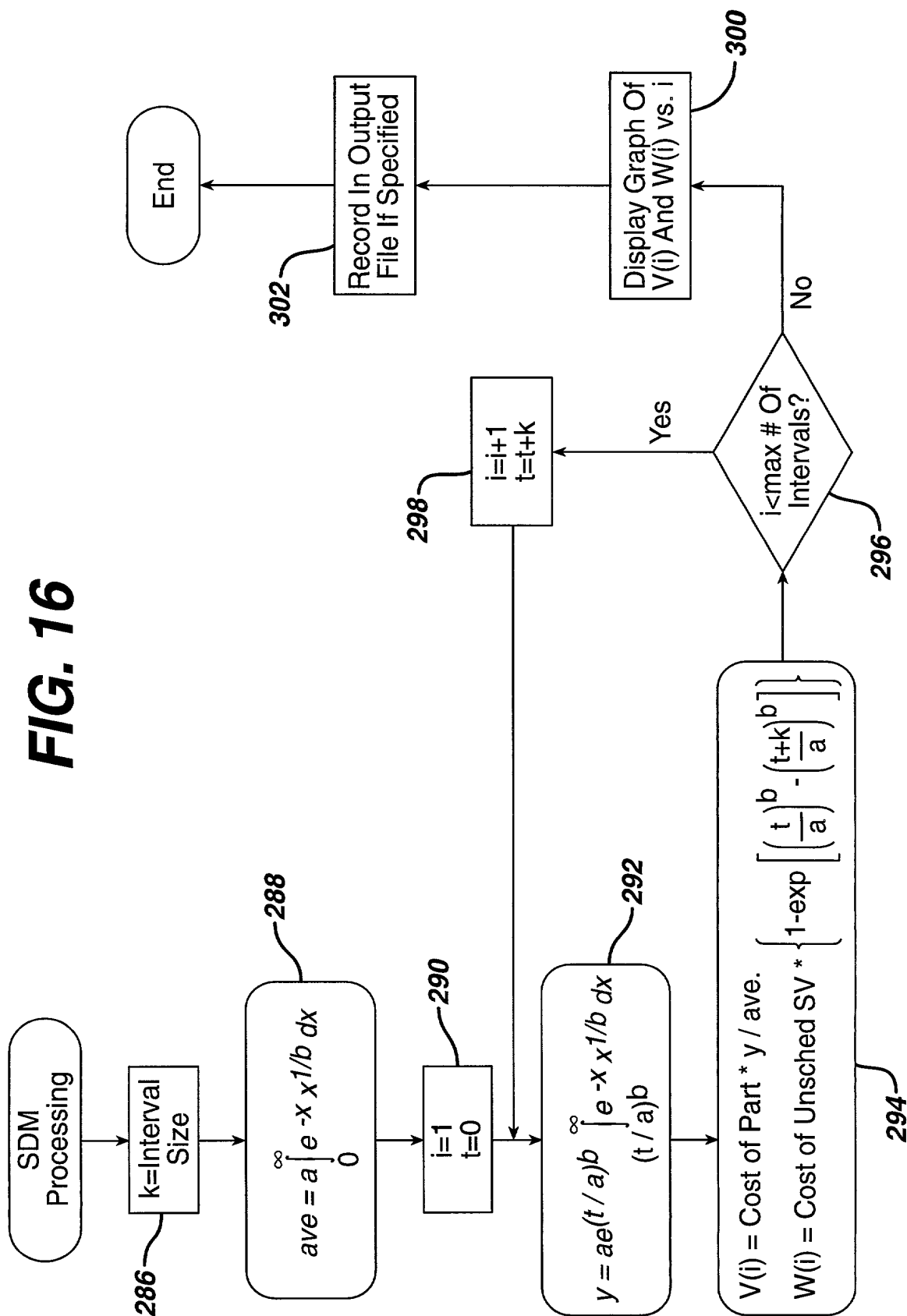


FIG. 17

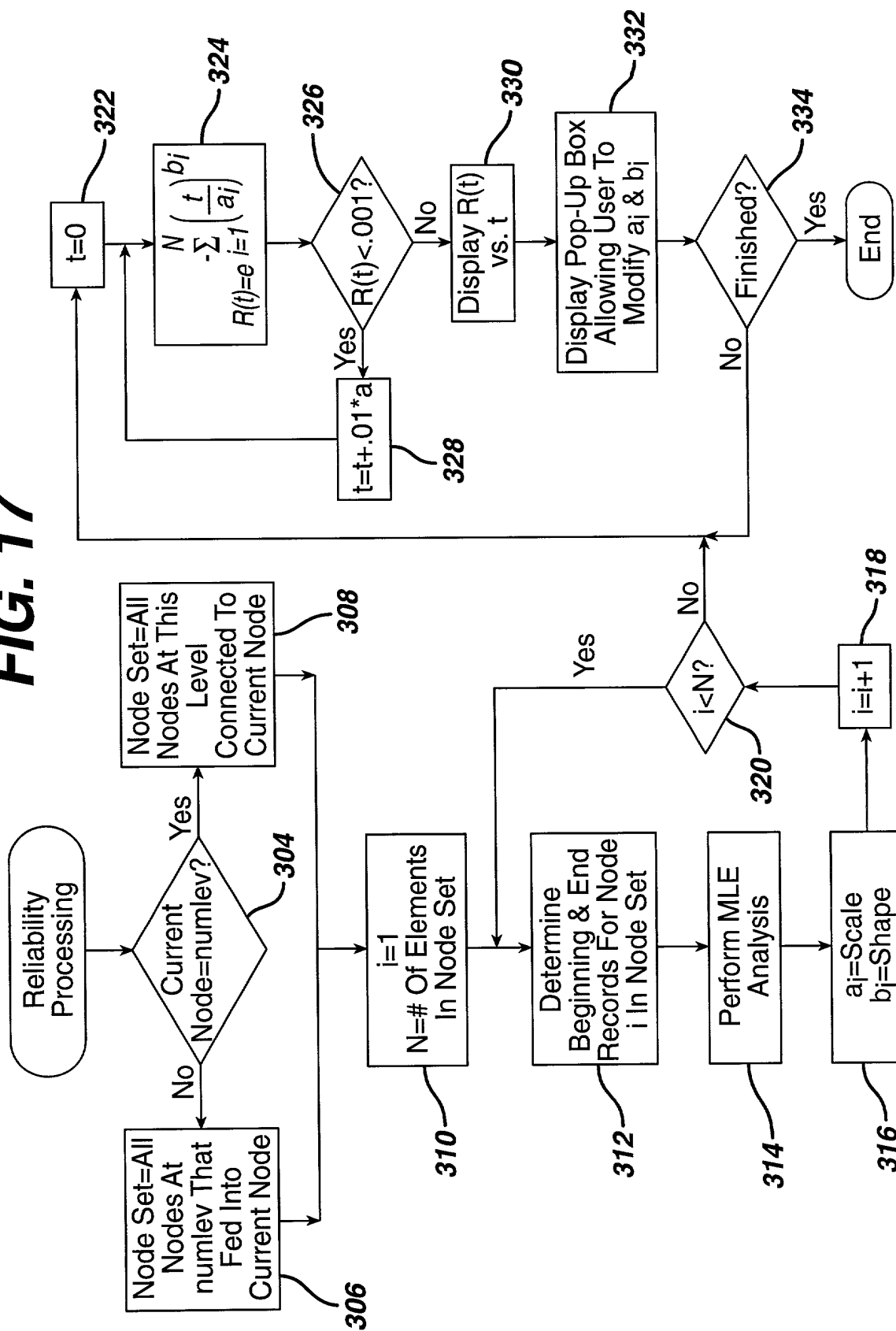


FIG. 18a

Likelihood Contour Plot

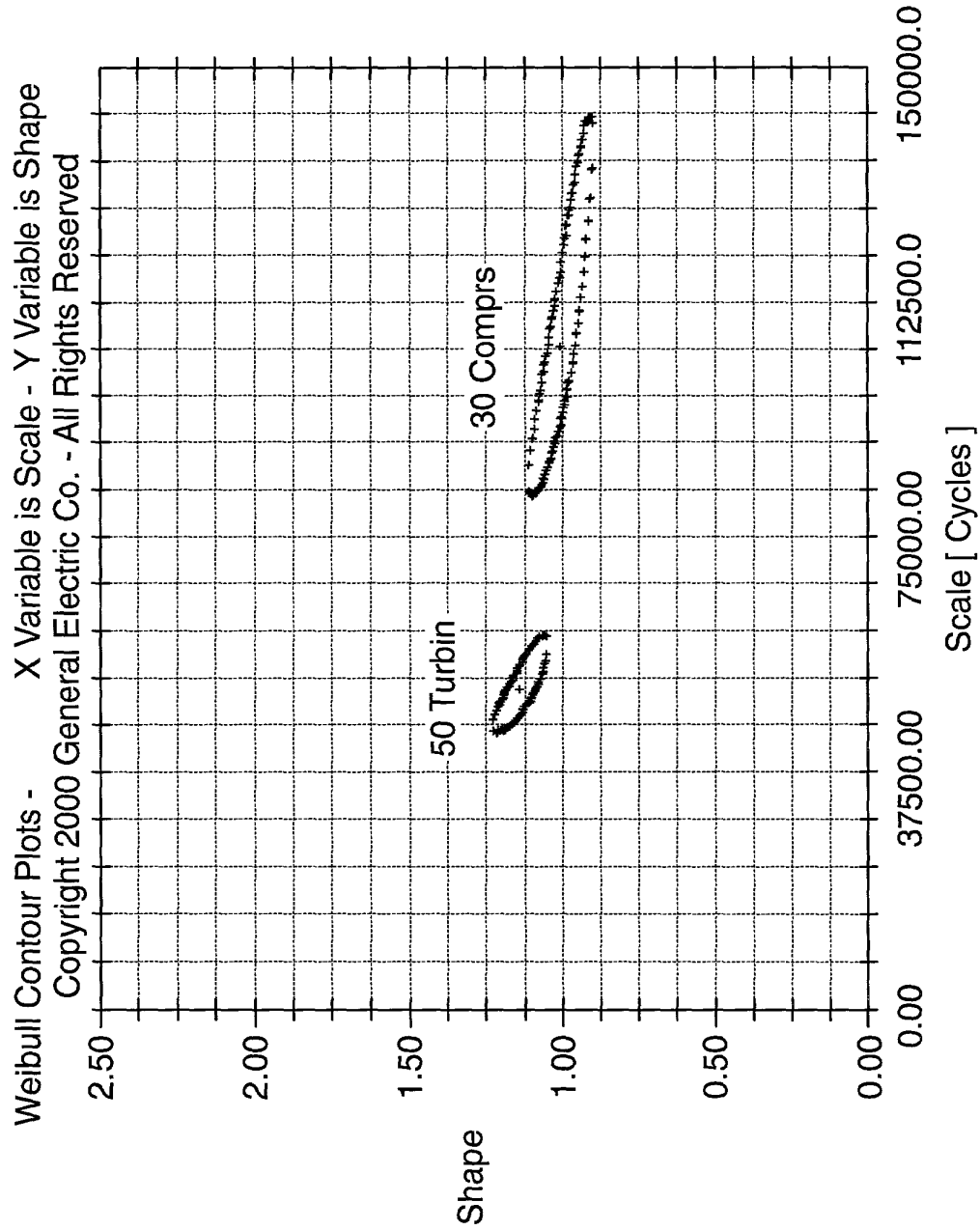
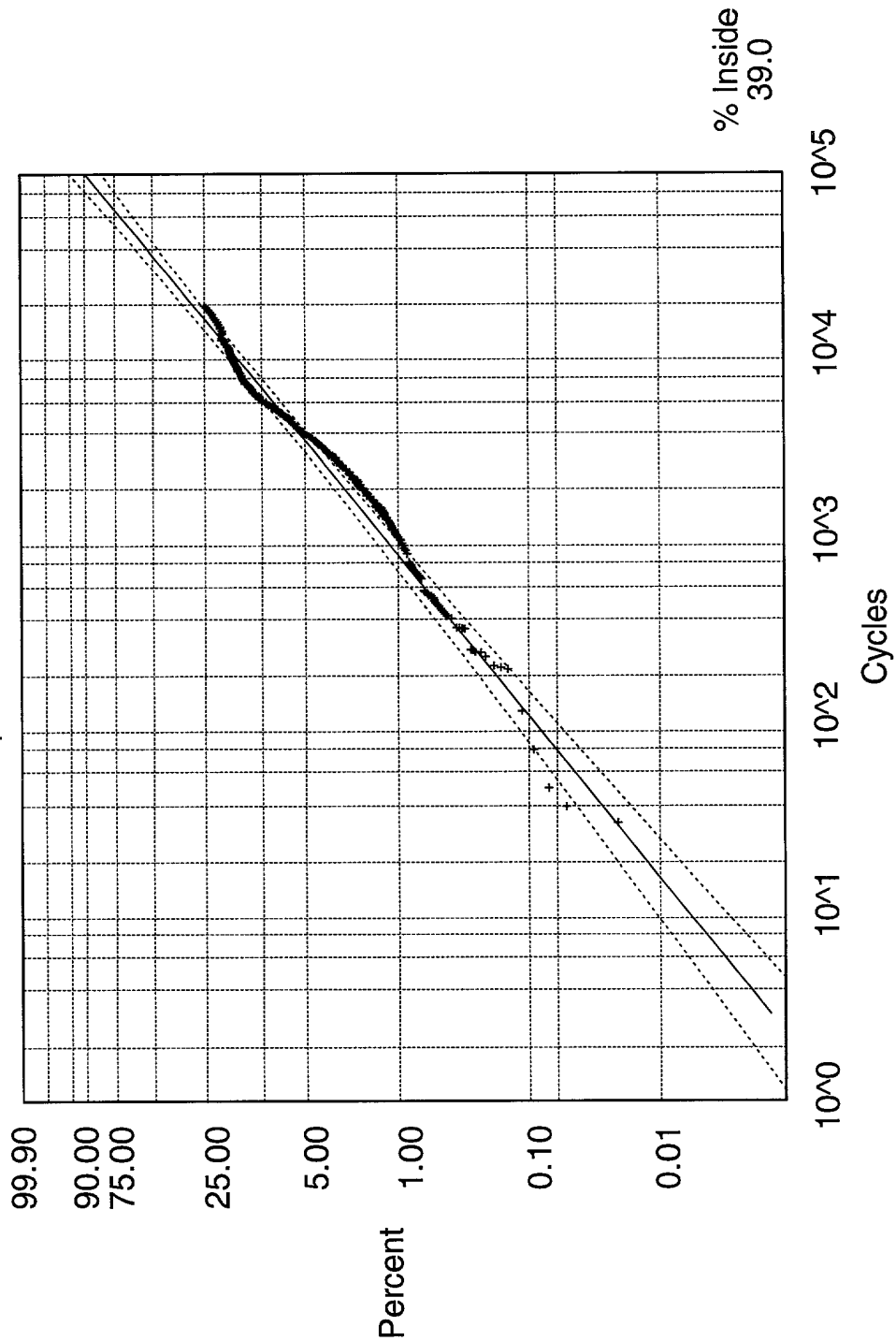


FIG. 18b

Probability Plot

72 Engine-50Turbin

Weibull: Shape = 1.15 Scale = 51094.65



Strategically Driven Maintenance

Shape

9.70

OK

Scale

3192.4

Cancel

Interval Length

90

Cost of Part

1000

Cost of Unscheduled SV

5000

Output File (optional)



Optimal Time to Pull - Shop Visit No. 28
 Expected Savings When Used as
 a General Strategy = \$ 4343.53

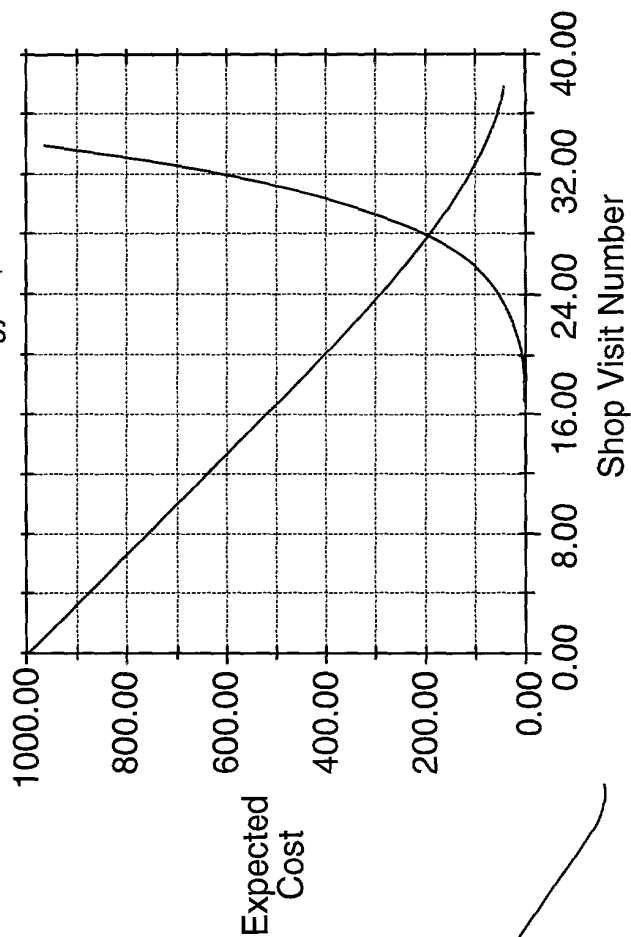


FIG. 18C

FIG. 18d

SER. NO: 09/897,556
INVENTOR: BROCK E. OSBORN, ET AL
DOCKET NO: RD-27,987
ATTORNEY: DAVID C. GOLDMAN
ATTY. TELEPHONE: (518) 387-5927

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Reliability Data

Part Number	Shape	Scale	Redundancy
0	1.20	2000.00	1
1	4.60	3000.00	1
2	2.50	1000.00	2
3	4.50	4000.00	3
4	1.00	2500.00	4
5	1.20	2000.00	1
6	4.60	3000.00	3
7	2.50	1000.00	6
8	4.50	4000.00	1
9	1.00	2500.00	2
10	1.20	2000.00	1
11	4.60	3000.00	1
12	2.50	1000.00	2

Shape: 2.50 Scale: 1000.00 Redundancy: 6

Change Values

OK Cancel

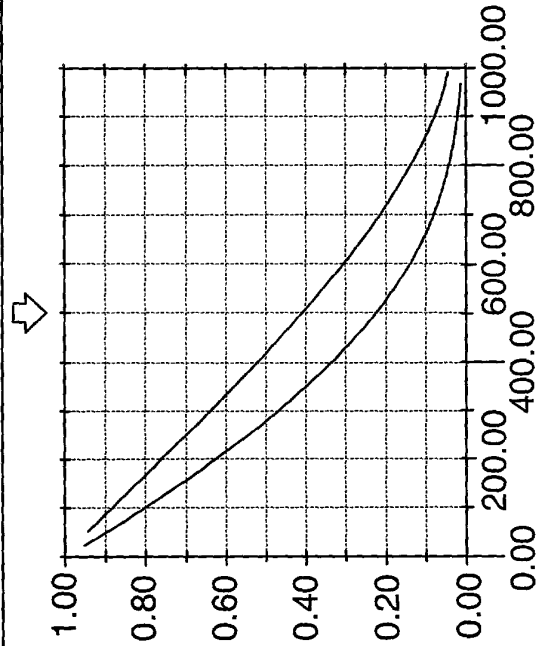
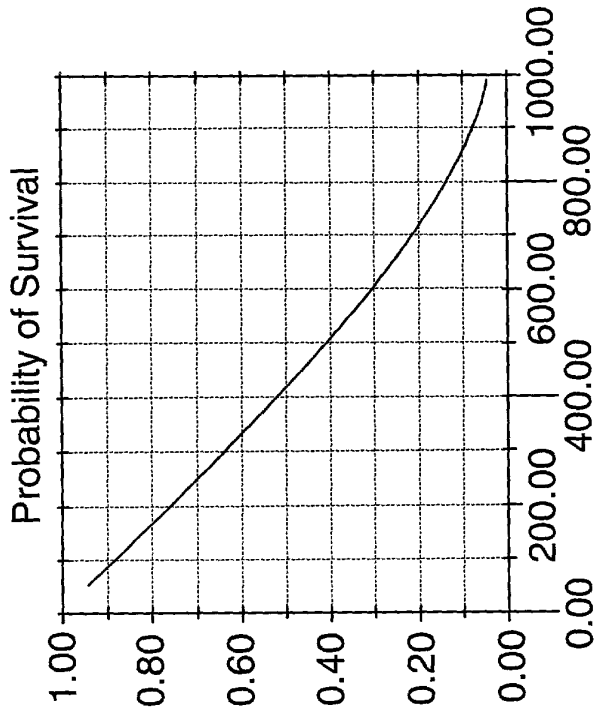


FIG. 18d

Forecast Input

Number of Intervals

12

Interval Size

30

Number of Simulations

100

Optional Parameters:

☒ Cumulative?

☐ Replace After Failure?

☒ Record Fractional Events?

☐ Turn Off Bootstrap?

Cut Off Date

1/1/00

Output File

c:\sigmahat\ans.out

Input for What-if Analysis

Shape:

Scale:

OK

Cancel

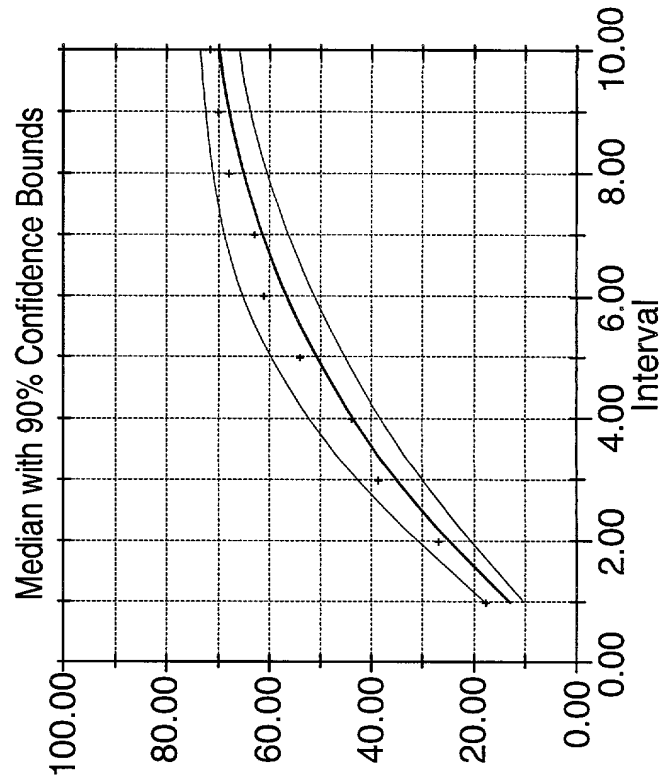
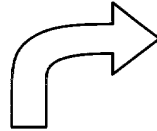


FIG. 18e

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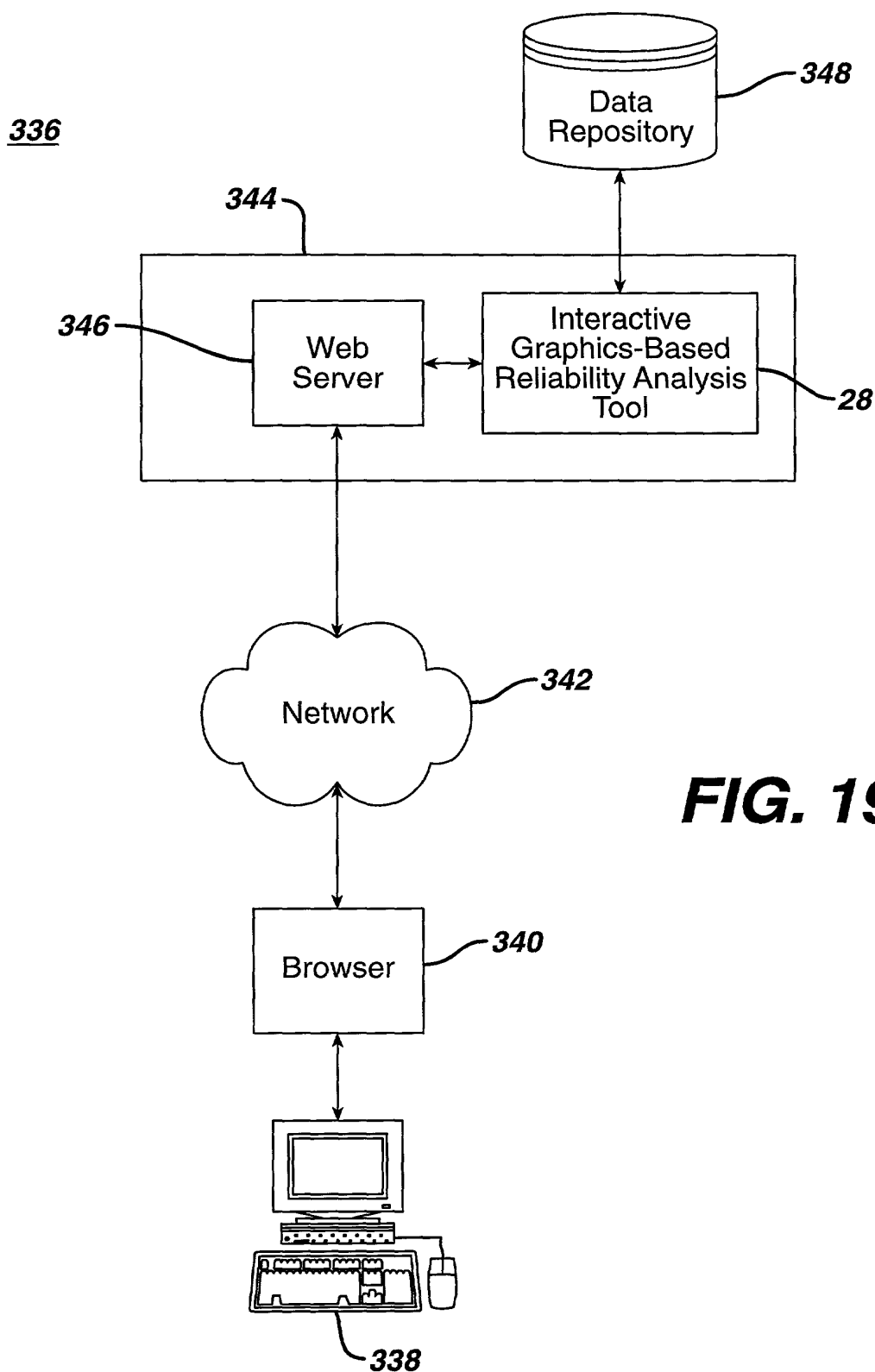


FIG. 19

FIG. 20

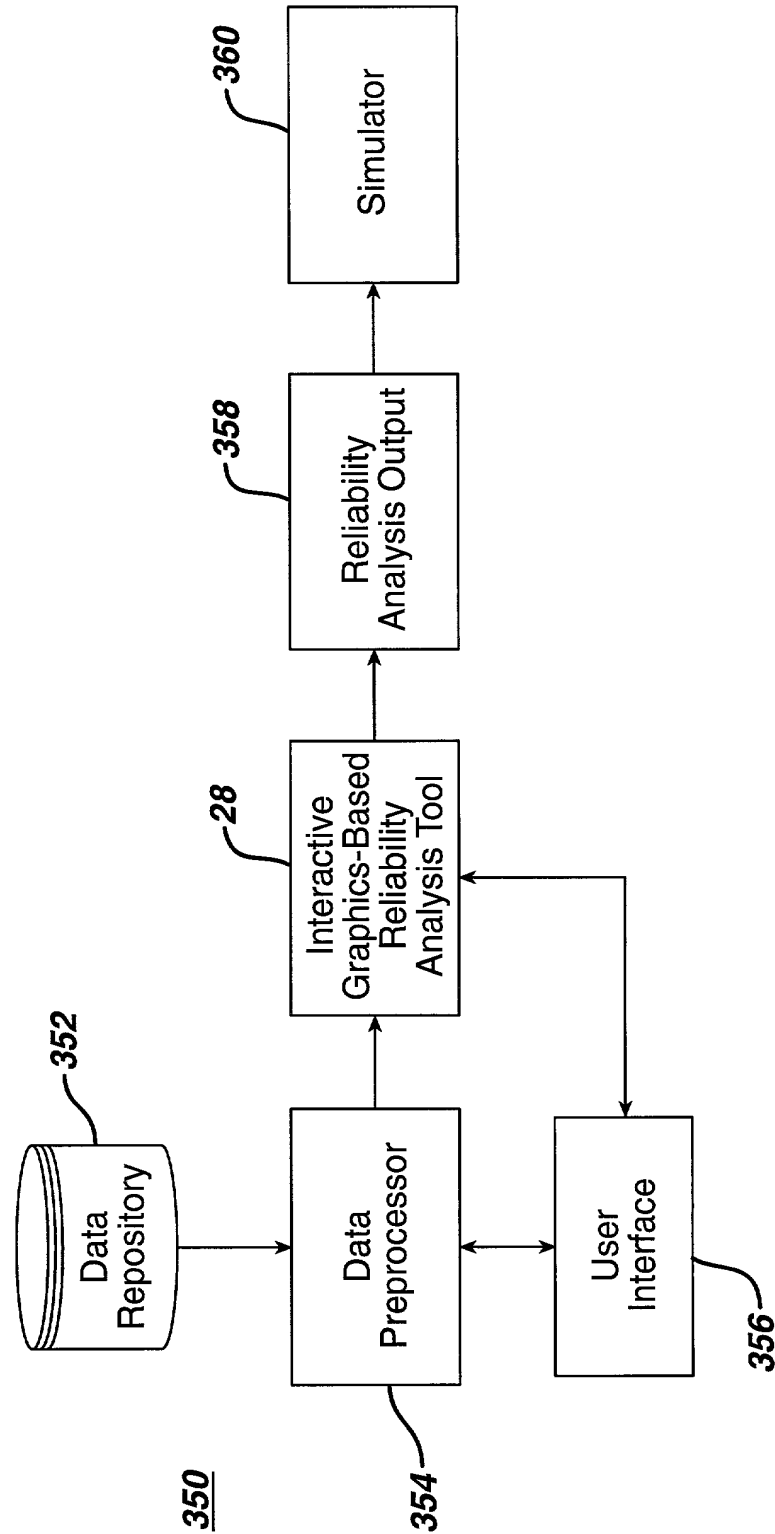


FIG. 21

FIG. 21

